



5129 N. Shirley St. Suite 100 | Ruston, WA 98407

June 15, 2009

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 156, May 2009
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me.

Sincerely,



Eric Pilcher, P.E.
Project Coordinator

Attachment (2 copies)

cc: Chung Ki Yee - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay
Karen Pickett - ASARCO

Monthly Report 156, May 2009
Operable Unit 02
Asarco Tacoma Smelter Site

A. Actions taken to achieve compliance with the Consent Decree during the previous month.

1. Met with EPA on May 8th and May 22nd.
2. Continued weekly site- maintenance logs (see attached).
3. Nuprecon is working with the Navy and its contractors to remove rejected import materials from the site and deliver them to an appropriate Treatment Storage and Disposal Facility (TSD).
4. Maintained clean work area and road
5. Remedial Action activities continued
6. Training activities include the following:
 - Site specific Safety Orientation was held on May 5th for 1 Delcon Crane Certificators employee.
 - Site specific Safety Orientation was held on May 8th for 1 JGL Acoustics, Inc. worker.
 - Site specific Safety Orientation was held on May 13th for 1 SC Fuels employee.
 - 40 Hr HAZWOPER completed by 2 Gafcon inspectors on May 20th.

B. Summary of sampling, tests, and all other data received or generated by Point Ruston in the previous month.

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003 which Point Ruston will continue to implement: weekly composite samples will be collected from May-October, and in December, February, and April.

Samples were collected by Point Ruston on May 11th, 19th, 25th, and June 1st. Results from samples collected are attached. There were no exceedances.

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2. Point Ruston collects OCF leachate in a 5,000 gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 94 gallons per day on the LCRS (see attached correspondence and data). Point Ruston shipped 4,900 gallons of leachate on May 29th. Results from the sample are attached (5.9 ppm).
3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), South Gate. Air monitoring began on April 10th, 2008. Results for samples collected from April 27th through May 29th are attached. There were no exceedances. Air monitoring results are also transmitted electronically to EPA for posting on the Region 10 website. Please note that due to mechanical errors, samples could not be obtained at the OCF Vault on May 8th or 26th. The problems have since been corrected.
4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentration of arsenic exceeds the PEL. No personal air monitoring was conducted in May.

C. *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:
 - Revisions for the Construction Management Plan, Master Infrastructure, Stack Hill Face Cap were submitted on May 22nd.
 - Revisions for the Construction Management Plan, Master Infrastructure, Road Utility and Shore were submitted on May 29th.
2. Remedial Action included the following tasks:
 - OCF construction activities:
 - Maintained leachate collection system.
 - Stack Hill construction activities:
 - Maintained erosion and surface water controls; specifically on Commercial Street cul-de-sac area
 - Continued home construction
 - Maintained site perimeter fence and signage at the north end of Stack Hill.

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- Site-wide remediation/redevelopment activities:
 - Continued surface water controls
 - Maintained haul roads and stockpiles onsite
 - Maintained erosion and surface water controls
 - Continued Building 2A construction
 - Continued Building 2B construction
 - Relocated North Gate to 54th

D. Actions scheduled for the next six weeks.

1. Address any new or remaining comments on CMP – Master Infrastructure and Stack Hill Face
2. Submit the Upland OMMP
3. Submit Revision 5 of the Construction Health and Safety Plan together with an updated Spanish translation.
4. Submit a Sequencing of Development and Occupancy and Temporary Cap Plan and implement a protocol to verify the effectiveness of Envirotac for use on-site as an element of the temporary cap to control and inhibit dust.
5. Consolidate PA documents as relevant to current RA plan
6. Construction activities for mass grading and Master Infrastructure.
7. Meet with Tacoma Metro Parks to discuss the RA for the slag peninsula.
8. The following Remedial Action tasks are planned to continue:

RA Monitoring:

- Outfall sampling (weekly composite samples) during scheduled months
- Air monitoring during remedial action activities

OCF OMMP activities:

- Continue collection of leachate for offsite disposal
- Continue monitoring of leachate volumes

Stack Hill construction activities:

- Erosion controls and site maintenance
- Continue home construction
- Begin face cap installation

Site-wide construction activities:

- Continue surface water controls
- Maintain roads and stockpiles onsite
- Maintain erosion controls
- Continue Building 2A construction
- Continue Building 2B foundation
- Begin master infrastructure construction
- Relocate OCF Transformer

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E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

1. Point Ruston is completing land use permitting for development on the lower site with the City of Tacoma & Town of Ruston. Shoreline Substantial Development Permits (Tacoma and Ruston) and Conditional Use Permit (Ruston) have been approved in both municipalities.

A Request for Reconsideration was filed against the Tacoma shoreline permits. The shoreline permit was upheld, but has since been appealed to the Hearings Examiner on March 6th. The Tacoma hearing is scheduled for July 8th, 9th, and 10th. Due to concerns with the pending hearing, the City has refused to allow road and utility construction required to be completed as part of the site wide cap. Point Ruston has asked for a permit exemption, but this was denied.

The Ruston shoreline permit has similarly been appealed to the Shoreline Hearings Board (SHB). A hearing with the SHB is scheduled for June 8th, 9th, and 10th, with a decision due by the end of August.

F. Modifications to work plans or schedules proposed to or approved by EPA.

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston and EPA have coordinated the issuance of an Explanation of Significant Differences (ESD) for the addition of the demolition project which will remove the 2,300 creosote piles encompassing the 3 docks along the frontage of the property. A pre-ESD letter approved this project as a clean-up action under CERCLA, and Point Ruston and the Dept. of Natural Resources continue to pursue funding with an anticipated August construction start date.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

1. Point Ruston attends the Town of Ruston's Town Council meetings routinely to answer question or give briefings regarding the status of RA and development planning activities (1st and 3rd Monday of each month).
2. Point Ruston is working with the City of Tacoma on development plans which incorporate remediation components for the site.
3. Point Ruston is working with MetroParks to incorporate the capping component into the Peninsula Park design, and is in talks to establish a Memorandum of Agreement to engage in design consultation for this site.
4. Point Ruston will meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.

Table 1. Summary of May 2009 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.060	12.05%	0.028	5.50%	0.023	4.50%
North Outfall	0.029	5.70%	0.018	3.50%	0.013	2.50%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.



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ANALYTICAL SUMMARY REPORT

June 08, 2009

Tim Rusher
Point Ruston LLC
5219 N Shirley St Ste 100
Tacoma, WA 98407

Workorder No.: B09060404

Project Name: Tacoma Smelter Outfall Monitoring

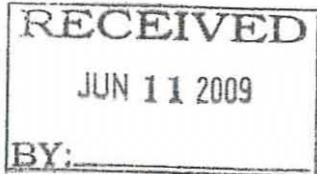
Energy Laboratories Inc received the following 8 samples for Point Ruston LLC on 6/3/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B09060404-001	North TSM0509411	05/11/09 10:43	06/03/09	Aqueous	Metals by ICP/ICPMS, Total Metals Preparation by EPA 200.2
B09060404-002	South TSM0509111	05/11/09 10:55	06/03/09	Aqueous	Same As Above
B09060404-003	North TSM0509419	05/19/09 8:52	06/03/09	Aqueous	Same As Above
B09060404-004	South TSM0509119	05/19/09 9:15	06/03/09	Aqueous	Same As Above
B09060404-005	North TSM0509425	05/25/09 9:04	06/03/09	Aqueous	Same As Above
B09060404-006	South TSM0509125	05/25/09 8:02	06/03/09	Aqueous	Same As Above
B09060404-007	North TSM0609401	06/01/09 15:15	06/03/09	Aqueous	Same As Above
B09060404-008	South TSM0609101	06/01/09 15:03	06/03/09	Aqueous	Same As Above

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:





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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09050323-001
Client Sample ID: NORTH, TSM0409406

Report Date: 05/08/09
Collection Date: 04/06/09 08:19
Date Received: 05/05/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.015	mg/L		0.005	E200.8		05/06/09 23:33 / aje
Copper	0.01	mg/L		0.01	E200.8		05/06/09 23:33 / aje
Zinc	ND	mg/L		0.01	E200.8		05/06/09 23:33 / aje

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09050323-002
Client Sample ID: SOUTH, TSM0409106

Report Date: 05/08/09
Collection Date: 04/06/09 09:07
Date Received: 05/05/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.103	mg/L		0.005	E200.8		05/06/09 23:40 / aje
Copper	0.04	mg/L		0.01	E200.8		05/06/09 23:40 / aje
Zinc	0.04	mg/L		0.01	E200.8		05/06/09 23:40 / aje

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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09050323-003
Client Sample ID: NORTH, TSM0409413

Report Date: 05/08/09
Collection Date: 04/13/09 08:33
Date Received: 05/05/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.016	mg/L		0.005	E200.8		05/06/09 23:47 / aje
Copper	0.01	mg/L		0.01	E200.8		05/06/09 23:47 / aje
Zinc	0.01	mg/L		0.01	E200.8		05/06/09 23:47 / aje

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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09050323-004
Client Sample ID: SOUTH, TSM0409113

Report Date: 05/08/09
Collection Date: 04/13/09 09:11
Date Received: 05/05/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.046	mg/L		0.005	E200.8		05/06/09 14:45 / aje
Copper	0.02	mg/L		0.01	E200.8		05/06/09 14:45 / aje
Zinc	0.03	mg/L		0.01	E200.8		05/06/09 14:45 / aje

Report Definitions: RL - Analyte reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC **Report Date:** 05/08/09
Project: Tacoma Smelter Outfall Monitoring **Collection Date:** 04/20/09 09:05
Lab ID: B09050323-005 **Date Received:** 05/05/09
Client Sample ID: NORTH, TSM0409420 **Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.019	mg/L		0.005	E200.8		05/06/09 23:54 / aje
Copper	0.01	mg/L		0.01	E200.8		05/06/09 23:54 / aje
Zinc	0.02	mg/L		0.01	E200.8		05/06/09 23:54 / aje

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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09050323-006
Client Sample ID: SOUTH, TSM0409120

Report Date: 05/08/09
Collection Date: 04/20/09 09:40
Date Received: 05/05/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.069	mg/L		0.005	E200.8		05/07/09 00:23 / aje
Copper	0.03	mg/L		0.01	E200.8		05/07/09 00:23 / aje
Zinc	0.03	mg/L		0.01	E200.8		05/07/09 00:23 / aje

Report Definitions:
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09050323-007
Client Sample ID: NORTH, TSM0409427

Report Date: 05/08/09
Collection Date: 04/27/09 08:52
Date Received: 05/05/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.015	mg/L		0.005	E200.8		05/07/09 00:30 / aje
Copper	ND	mg/L		0.01	E200.8		05/07/09 00:30 / aje
Zinc	ND	mg/L		0.01	E200.8		05/07/09 00:30 / aje

Report Definitions: RL - Analyte reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09050323-008
Client Sample ID: SOUTH, TSM0409127

Report Date: 05/08/09
Collection Date: 04/27/09 09:16
Date Received: 05/05/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.043	mg/L		0.005	E200.8		05/07/09 00:37 / aje
Copper	0.02	mg/L		0.01	E200.8		05/07/09 00:37 / aje
Zinc	0.02	mg/L		0.01	E200.8		05/07/09 00:37 / aje

Report Definitions: RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC **Report Date:** 05/08/09
Project: Tacoma Smelter Outfall Monitoring **Collection Date:** 05/04/09 08:07
Lab ID: B09050323-009 **Date Received:** 05/05/09
Client Sample ID: NORTH, TSM0509404 **Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.017	mg/L		0.005	E200.8		05/07/09 00:44 / aje
Copper	ND	mg/L		0.01	E200.8		05/07/09 00:44 / aje
Zinc	ND	mg/L		0.01	E200.8		05/07/09 00:44 / aje

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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09050323-010
Client Sample ID: SOUTH, TSM0509104

Report Date: 05/08/09
Collection Date: 05/04/09 08:52
Date Received: 05/05/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.053	mg/L		0.005	E200.8		05/07/09 00:51 / aje
Copper	0.02	mg/L		0.01	E200.8		05/07/09 00:51 / aje
Zinc	0.03	mg/L		0.01	E200.8		05/07/09 00:51 / aje

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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09060404-001
Client Sample ID: North TSM0509411

Report Date: 06/09/09
Collection Date: 05/11/09 10:43
Date Received: 06/03/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.024	mg/L		0.005	E200.8		06/06/09 12:13 / aje
Copper	0.03	mg/L		0.01	E200.8		06/06/09 12:13 / aje
Zinc	0.02	mg/L		0.01	E200.8		06/06/09 12:13 / aje

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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09060404-002
Client Sample ID: South TSM0509111

Report Date: 06/09/09
Collection Date: 05/11/09 10:55
Date Received: 06/03/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.117	mg/L		0.005	E200.8		06/06/09 12:20 / aje
Copper	0.06	mg/L		0.01	E200.8		06/06/09 12:20 / aje
Zinc	0.04	mg/L		0.01	E200.8		06/06/09 12:20 / aje

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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09060404-003
Client Sample ID: North TSM0509419

Report Date: 06/09/09
Collection Date: 05/19/09 08:52
Date Received: 06/03/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.020	mg/L		0.005	E200.8		06/06/09 12:27 / aje
Copper	0.02	mg/L		0.01	E200.8		06/06/09 12:27 / aje
Zinc	0.01	mg/L		0.01	E200.8		06/06/09 12:27 / aje

Report Definitions: RL - Analyte reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09060404-004
Client Sample ID: South TSM0509119

Report Date: 06/09/09
Collection Date: 05/19/09 09:15
Date Received: 06/03/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.068	mg/L		0.005	E200.8		06/06/09 12:34 / aje
Copper	0.03	mg/L		0.01	E200.8		06/06/09 12:34 / aje
Zinc	0.03	mg/L		0.01	E200.8		06/06/09 12:34 / aje

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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09060404-005
Client Sample ID: North TSM0509425

Report Date: 06/09/09
Collection Date: 05/25/09 09:04
Date Received: 06/03/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.054	mg/L		0.005	E200.8		06/06/09 12:41 / aje
Copper	0.02	mg/L		0.01	E200.8		06/06/09 12:41 / aje
Zinc	0.02	mg/L		0.01	E200.8		06/06/09 12:41 / aje

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ENERGY LABORATORIES, INC. * 1120 S 27th St * PO Box 30916 * Billings, MT 59107-0916
Toll Free 800.735.4489 * 406.252.6325 * FAX 406.252.6069 * eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09060404-006
Client Sample ID: South TSM0509125

Report Date: 06/09/09
Collection Date: 05/25/09 08:02
Date Received: 06/03/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.017	mg/L		0.005	E200.8		06/06/09 12:48 / aje
Copper	0.01	mg/L		0.01	E200.8		06/06/09 12:48 / aje
Zinc	ND	mg/L		0.01	E200.8		06/06/09 12:48 / aje

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09060404-007
Client Sample ID: North TSM0609401

Report Date: 06/09/09
Collection Date: 06/01/09 15:15
Date Received: 06/03/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.016	mg/L		0.005	E200.8		06/06/09 13:22 / aje
Copper	ND	mg/L		0.01	E200.8		06/06/09 13:22 / aje
Zinc	ND	mg/L		0.01	E200.8		06/06/09 13:22 / aje

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring
Lab ID: B09060404-008
Client Sample ID: South TSM0609101

Report Date: 06/09/09
Collection Date: 06/01/09 15:03
Date Received: 06/03/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.039	mg/L		0.005	E200.8		06/06/09 13:24 / jjw
Copper	0.01	mg/L		0.01	E200.8		06/06/09 13:24 / jjw
Zinc	0.02	mg/L		0.01	E200.8		06/06/09 13:24 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Point Ruston LLC

Report Date: 06/08/09

Project: Tacoma Smelter Outfall Monitoring

Work Order: B09060404

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8	Batch: 39284								
Sample ID: MB-39284	Method Blank Run: ICPMS204-B_090605B 06/06/09 09:15								
Arsenic	0.0002	mg/L	9E-05						
Copper	0.0002	mg/L	0.0002						
Zinc	0.005	mg/L	0.003						
Sample ID: LCS5-39284	Laboratory Control Sample Run: ICPMS204-B_090605B 06/06/09 09:22								
Arsenic	0.501	mg/L	0.0050	100	85	115			
Copper	0.501	mg/L	0.010	100	85	115			
Zinc	0.496	mg/L	0.010	98	85	115			
Sample ID: B09060385-001BMS5	Sample Matrix Spike Run: ICPMS204-B_090605B 06/06/09 09:49								
Arsenic	0.501	mg/L	0.0050	100	70	130			
Copper	0.506	mg/L	0.010	101	70	130			
Zinc	0.494	mg/L	0.010	99	70	130			
Sample ID: B09060385-001BMSD5	Sample Matrix Spike Duplicate Run: ICPMS204-B_090605B 06/06/09 10:23								
Arsenic	0.513	mg/L	0.0050	102	70	130	2.3	20	
Copper	0.524	mg/L	0.010	104	70	130	3.4	20	
Zinc	0.512	mg/L	0.010	102	70	130	3.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Monitoring

Report Date: 06/08/09
Work Order: B09060404

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8	Analytical Run: ICPMS202-B_090605A								
Sample ID: QCS - 081021A,090401E, Initial Calibration Verification Standard									06/06/09 10:55
Arsenic	0.0494	mg/L	0.0050	99	90	110			
Copper	0.0488	mg/L	0.010	98	90	110			
Zinc	0.0485	mg/L	0.010	97	90	110			
Method: E200.8	Batch: R130689								
Sample ID: LRB	Method Blank			Run: ICPMS202-B_090605A				06/05/09 12:57	
Arsenic	0.0001	mg/L	3E-05						
Copper	ND	mg/L	8E-05						
Zinc	0.0006	mg/L	0.0002						
Sample ID: LFB	Laboratory Fortified Blank			Run: ICPMS202-B_090605A				06/05/09 13:02	
Arsenic	0.0480	mg/L	0.0050	96	85	115			
Copper	0.0479	mg/L	0.010	96	85	115			
Zinc	0.0481	mg/L	0.010	95	85	115			
Sample ID: B09060430-002AMS	Sample Matrix Spike			Run: ICPMS202-B_090605A				06/06/09 12:48	
Arsenic	0.0504	mg/L	0.0010	100	70	130			
Copper	0.0503	mg/L	0.010	99	70	130			
Zinc	0.0509	mg/L	0.010	102	70	130			
Sample ID: B09060430-002AMSD	Sample Matrix Spike Duplicate			Run: ICPMS202-B_090605A				06/06/09 13:08	
Arsenic	0.0506	mg/L	0.0010	100	70	130	0.4	20	
Copper	0.0503	mg/L	0.010	99	70	130	0	20	
Zinc	0.0519	mg/L	0.010	104	70	130	2	20	
Method: E200.8	Analytical Run: ICPMS204-B_090605B								
Sample ID: QCS-081021A,090401E,0	Initial Calibration Verification Standard								06/06/09 05:19
Arsenic	0.0498	mg/L	0.0050	100	90	110			
Copper	0.0515	mg/L	0.010	103	90	110			
Zinc	0.0505	mg/L	0.010	101	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Energy Laboratories Inc

Workorder Receipt Checklist



Point Ruston LLC

B09060404

Login completed by: Leslie S. Cadreau

Date and Time Received: 6/3/2009 9:30 AM

Reviewed by: BL2000\ruby

Received by: smr

Reviewed Date: 6/4/2009 9:02:25 AM

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	11°C On Ice		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None

**POINT
RUSTON**

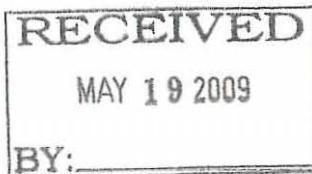
5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

PROJ. NO	PROJECT NAME					NO. OF CONTAINERS	REMARKS	
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER			
5/11/09	NORTH	10:43	✓			TSM0509411	1 ✓	B09010404 - 001
5/11/09	SOUTH	10:55	✓			TSM0509111	1 ✓	PLEASE EMAIL RESULTS - 002
5/11/09	NORTH	8:52	✓			TSM0509419	1 ✓	TO: - 002
5/11/09	SOUTH	9:15	✓			TSM0509119	1 ✓	Tim2@POINTRUSTON.com - 001
5/11/09	NORTH	9:04	✓			TSM0509425	1 ✓	- 001
5/11/09	SOUTH	8:02	✓			TSM0509125	1 ✓	- 001
5/11/09	NORTH	15:15	✓			TSM0509401	1 ✓	- 001
5/11/09	SOUTH	15:03	✓			TSM0509101	1 ✓	- 001
Relinquished (Signature)		Date/Time	Received by: (Signature)			Lab	Shipped via FedEx UPS or Other _____ Air Bill # _____	
<i>Ruston</i>		6/2/09 FED-FX						
Relinquished (Signature)		Date/Time	Received by: (Signature)			Remarks		
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)			Date/Time	Enclosed:	
			<i>Dandy Ranch</i>			9:30 6-3-09	<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
			<i>FEDEX EXPRESS INC SEALS B</i>			Split Samples: [] Accepted [] Declined _____		
COCForm - 8/07						Signature		

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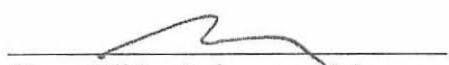
05/15/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 05/04/2009
Spectra Project: 2009050046

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8067622	1	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/27/2009
8067622	1	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/27/2009
8067621	2	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/27/2009
8067621	2	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/27/2009
8067620	3	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/27/2009
8067620	3	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/27/2009
8067619	4	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/28/2009
8067619	4	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/28/2009
8067618	5	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/28/2009
8067618	5	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/28/2009
8067617	6	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/28/2009
8067617	6	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/28/2009
8067615	7	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/29/2009
8067615	7	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/29/2009
8067614	8	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/29/2009
8067614	8	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/29/2009

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Steve Hibbs, Laboratory Manager

a8/scj

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05/15/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 05/04/2009
Spectra Project: 2009050046

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8067613	9	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/29/2009
8067613	9	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/29/2009
8067612	10	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/30/2009
8067612	10	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/30/2009
8067611	11	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/30/2009
8067611	11	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/30/2009
8067610	12	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/30/2009
8067610	12	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/30/2009
8067609	13	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/01/2009
8067609	13	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/01/2009
8067608	14	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/01/2009
8067608	14	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/01/2009
8067607	15	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/01/2009
8067607	15	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/01/2009
8067616	16	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	04/28/2009
8067616	16	Lead	< 0.05	µg/m³	SW846 6010B	Filter	04/28/2009

SPECTRA LABORATORIES

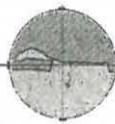

Steve Hibbs, Laboratory Manager
a8/scj

CHAIN OF CUSTODY RECORD

PAGE 1 of 2

2009050046

**POINT
RUSTON**

 5219 N. Shirley St., Suite 100 Tacoma, WA 98407
 Phone: 253-752-2185 Fax: 253-752-7083


PROJ. NO		PROJECT NAME														
Air Monitoring		POINT RUSTON, LLC (Hi-VOL)														
SAMPLERS: (Signature)		<i>Mark Ruston</i>										REMARKS				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER		NO. OF CONTAINERS									
4/27/09	SH		✓		80676 22		1 ✓									
4/27/09	CC-VI		✓		80676 21		1 ✓									
4/27/09	CC-NW		✓		80676 20		1 ✓									
4/28/09	SH		✓		80676 19		1 ✓									
4/28/09	CC-VI		✓		80676 18		1 ✓									
4/28/09	CC-NW		✓		80676 17		1 ✓									
4/29/09	SH		✓		80676 15		1 ✓									
4/29/09	CC-VI		✓		80676 14		1 ✓									
4/29/09	CC-NW		✓		80676 13		1 ✓									
4/30/09	SH		✓		80676 12		1 ✓									
4/30/09	CC-VI		✓		80676 11		1 ✓									
4/30/09	CC-NW		✓		80676 10		1 ✓									
5/1/09	S.G.		✓		80676 09		1 ✓									
5/1/09	CC-VI		✓		80676 08		1 ✓									
5/1/09	CC-NW		✓		80676 07		1 ✓									
Relinquished (Signature)				Date/Time	Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____								
<i>Mark Ruston</i>				5-4 1252	<i>John Smith</i>		<i>Spectra</i>									
Relinquished (Signature)				Date/Time	Received by: (Signature)		Remarks									
Relinquished (Signature)				Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter								
COCForm - 8/07				Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____ <i>Signature</i>												

PAGE 2 of 2

CHAIN OF CUSTODY RECORD

POINT
RUSTON

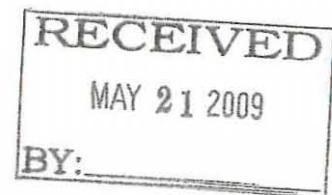
5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



PROJ. NO Air Monitoring	PROJECT NAME POINT RUSTON, LLC (Hi-VOL)		NO. OF CONTAINERS <i>As Pb</i>	REMARKS				
SAMPLERS: (Signature)	DATE	STA #			TIME	COMP	GRAB	SAMPLE NUMBER
	4/28/09			CONTROL	✓	8067616		
Relinquished (Signature) <i>[Signature]</i>		Date/Time 05-04-1252		Received by: (Signature) <i>[Signature]</i>		Lab <i>Spectra</i>	Shipped via: FedEx, UPS or Other _____ Air Bill # _____	
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks		
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
Split Samples: []Accepted []Declined _____ _____ Signature								

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05/20/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 05/11/2009
Spectra Project: 2009050205

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8067606	1	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/04/2009
8067606	1	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/04/2009
8067605	2	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/04/2009
8067605	2	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/04/2009
8067604	3	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/04/2009
8067604	3	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/04/2009
8067603	4	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/05/2009
8067603	4	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/05/2009
8067602	5	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/05/2009
8067602	5	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/05/2009
8067601	6	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/05/2009
8067601	6	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/05/2009
8189900	7	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/06/2009
8189900	7	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/06/2009
8189899	8	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/06/2009
8189899	8	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/06/2009

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a8/scj



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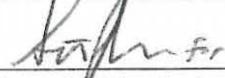
05/20/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 05/11/2009
Spectra Project: 2009050205

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8189898	9	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/06/2009
8189898	9	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/06/2009
8189896	10	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/07/2009
8189896	10	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/07/2009
8189895	11	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/07/2009
8189895	11	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/07/2009
8189894	12	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/07/2009
8189894	12	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/07/2009
8189893	13	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/08/2009
8189893	13	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/08/2009
8189891	14	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/08/2009
8189891	14	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/08/2009
8189897	15	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/06/2009
8189897	15	Lead	< 0.05	µg/m³	SW846 6020A	Filter	05/06/2009

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PAGE 1 of 1

CHAIN OF CUSTODY RECORD

2009050205

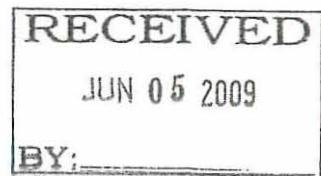
**POINT
RUSTON**

 5219 N. Shirley St., Suite 100 Tacoma, WA 98407
 Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS
AIR MONITORING		POINT RUSTON LC HI-VOL			
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER
5/4/09	SG		✓		801071006
5/4/09	OCF-VI		✓		801071005
5/4/09	OCF-NW		✓		801071004
5/5/09	SG		✓		801071003
5/5/09	OCF-VI		✓		801071002
5/5/09	OCF-NW		✓		801071001
5/6/09	SG		✓		8189900
5/6/09	OCF-VI		✓		8189899
5/6/09	OCF-NW		✓		8189898
5/7/09	SG		-		8189890
5/7/09	OCF-VI		✓		8189895
5/7/09	OCF-NW		✓		8189894
5/8/09	SG		✓		8189893
5/8/09	OCF-NW		✓		8189891
5/10/09	OCF-VI		✓		8189897
Relinquished (Signature)		Date/Time		Received by: (Signature)	
		5/11/09			
Shipped via: FedEx, UPS or Other _____		Lab		Remarks	
Enclosed:					
<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter					
Split Samples:					
[]Accepted []Declined _____				Signature	

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06/03/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 05/18/2009
Spectra Project: 2009050320

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8189890	1	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/11/2009
8189890	1	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/11/2009
8189892	2	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/11/2009
8189892	2	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/11/2009
8189888	3	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/11/2009
8189888	3	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/11/2009
8189887	4	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/12/2009
8189887	4	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/12/2009
8189889	5	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/12/2009
8189889	5	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/12/2009
8189886	6	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/12/2009
8189886	6	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/12/2009
8189885	7	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/13/2009
8189885	7	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/13/2009
8189884	8	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/13/2009
8189884	8	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/13/2009

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a8/sej



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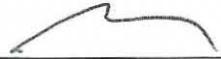
06/03/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-vol)
Date Received: 05/18/2009
Spectra Project: 2009050320

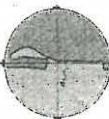
<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8189883	9	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/13/2009
8189883	9	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/13/2009
8189882	10	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/14/2009
8189882	10	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/14/2009
8189881	11	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/14/2009
8189881	11	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/14/2009
8189880	12	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/14/2009
8189880	12	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/14/2009
8189879	13	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/15/2009
8189879	13	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/15/2009
8189878	14	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/15/2009
8189878	14	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/15/2009
8189877	15	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/15/2009
8189877	15	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/15/2009
8189876	16	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/15/2009
8189876	16	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/15/2009

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/scj

PAGE 1 of 2209050320

**POINT
RUSTON**

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 Phone: 253-752-2185 Fax: 253-752-7083

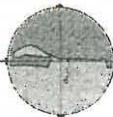
CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS	
AIR MONITORING		POINT RUSTON, LLC (H-VOL)				
SAMPLES: (Signature)						
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
5/11/09	SG			✓	8189890	
5/11/09	OCF-VI			✓	8189892	
5/11/09	OCF-NW			✓	8189888	
5/12/09	SG			✓	8189887	
5/12/09	OCF-VI			✓	8189889	
5/12/09	OCF-NW			✓	8189886	
5/13/09	SG			✓	8189885	
5/13/09	OCF-VI			✓	8189884	
5/13/09	OCF-NW			✓	8189883	
5/14/09	SG			✓	8189882	
5/14/09	OCF-VI			✓	8189881	
5/14/09	OCF-NW			✓	8189880	
5/15/09	SG			✓	8189879	
5/15/09	OCF-VI			✓	8189878	
5/15/09	OCF-NW			✓	8189877	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____
<i>[Signature]</i>		05-18 044	<i>[Signature]</i>		<i>Spectra</i>	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks	
<i>[Signature]</i>			<i>[Signature]</i>			
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
<i>[Signature]</i>			<i>[Signature]</i>			
Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____						
Signature						

PAGE 2 of 2

2009050320

POINT
RUSTON



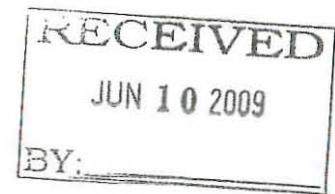
5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME <u>AIR MONITORING POINT RUSTON, LLC (HI-VOL)</u>						NO. OF CONTAINERS	REMARKS
SAMPLERS: (Signature) <i>Dave J. Bush</i>									
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER				
5/18/09	Control			✓	8181876		1 ✓		
Relinquished (Signature) <i>Dave J. Bush</i>			Date/Time 05/18 04:45	Received by: (Signature) <i>W.Wall</i>		Lab SPECTRA	Shipped via: FedEx, UPS or Other _____ Air Bill # _____		
Relinquished (Signature)			Date/Time	Received by: (Signature)		Remarks			
Relinquished (Signature)			Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter		
							Split Samples: []Accepted []Declined _____ Signature _____		

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06/08/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air monitoring
Date Received: 05/26/2009
Spectra Project: 2009050445

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8189875	1	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/18/2009
8189875	1	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/18/2009
8189874	2	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/18/2009
8189874	2	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/18/2009
8189873	3	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/18/2009
8189873	3	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/18/2009
8189872	4	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/19/2009
8189872	4	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/19/2009
8189871	5	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/19/2009
8189871	5	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/19/2009
8189870	6	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/19/2009
8189870	6	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/19/2009
8189869	7	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/20/2009
8189869	7	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/20/2009
8189868	8	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/20/2009
8189868	8	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/20/2009

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a8/scj

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06/08/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air monitoring
Date Received: 05/26/2009
Spectra Project: 2009050445

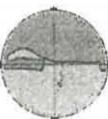
<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8189867	9	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/20/2009
8189867	9	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/20/2009
8189866	10	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/21/2009
8189866	10	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/21/2009
8189865	11	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/21/2009
8189865	11	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/21/2009
8189864	12	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/21/2009
8189864	12	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/21/2009
8189863	13	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/22/2009
8189863	13	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/22/2009
8189862	14	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/22/2009
8189862	14	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/22/2009
8189861	15	Arsenic	< 0.05	µg/m³	SW846 6010B	Filter	05/22/2009
8189861	15	Lead	< 0.05	µg/m³	SW846 6010B	Filter	05/22/2009

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a8/sej

PAGE 1 of 1

2009050445

**POINT
RUSTON**

 5219 N. Shirley St., Suite 100 Tacoma, WA 98407
 Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

PROJ. NO		PROJECT NAME			NO. OF CONTAINERS	REMARKS
		Air Monitoring POINT RUSTON, LLC Hi-VOL				
SAMPLES: (Signature)		<i>John P. Rumbaugh</i>				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
3/18/09	SG		✓		8189875	1 ✓
3/18/09	OCF-VI		✓		8189874	1 ✓
3/18/09	OCF-NW		✓		8189873	1 ✓
3/18/09	SG		✓		8189872	1 ✓
3/18/09	OCF-VI		✓		8189871	1 ✓
3/18/09	OCF-NW		✓		8189870	1 ✓
3/19/09	SG		✓		8189869	1 ✓
3/20/09	OCF-VI		✓		8189868	1 ✓
3/20/09	OCF-NW		✓		8189867	1 ✓
3/19/09	SG		✓		8189866	1 ✓
3/21/09	OCF-VI		✓		8189865	1 ✓
3/19/09	OCF-NW		✓		8189864	1 ✓
3/19/09	SG		✓		8189863	1 ✓
3/21/09	OCF-VI		✓		8189862	1 ✓
3/21/09	OCF-NW		✓		8189861	1 ✓
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____
<i>John P. Rumbaugh</i>		15406913	<i>Mark</i>		<i>Spectra</i>	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks	
<i>John P. Rumbaugh</i>						
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
<i>John P. Rumbaugh</i>						
Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____		Signature _____				



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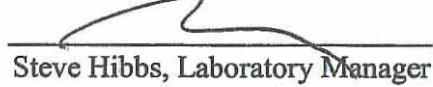
06/11/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 06/01/2009
Spectra Project: 2009060015

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8189856	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/26/2009
8189856	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/26/2009
8189854	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/26/2009
8189854	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/26/2009
8189853	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/27/2009
8189853	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/27/2009
8189852	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/27/2009
8189852	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/27/2009
8189851	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/27/2009
8189851	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/27/2009
8189850	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/28/2009
8189850	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/28/2009
8189849	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/28/2009
8189849	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/28/2009
8189848	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/28/2009
8189848	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/28/2009

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/snb



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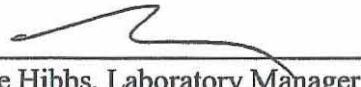
06/11/2009

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 06/01/2009
Spectra Project: 2009060015

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8189847	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/29/2009
8189847	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/29/2009
8189846	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/29/2009
8189846	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/29/2009
8189845	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/29/2009
8189845	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/29/2009
8189857	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/25/2009
8189857	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/25/2009

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/snb

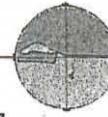
PAGE 1 of 1

CHAIN OF CUSTODY RECORD

2009060015

POINT
RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS	
AIR MONITORING		POINT RUSTON LLC HI-VOL				AS PB
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
5/26/09	SG		✓		8189856	1 ✓
5/26/09	OCF-NW		✓		8189854	1 ✓
5/27/09	SG		✓		8189853	1 ✓
5/27/09	OCF-VI		✓		8189852	1 ✓
5/27/09	OCF-NW		✓		8189851	1 ✓
5/28/09	SG		✓		8189850	1 ✓
5/28/09	OCF-VI		✓		8189849	1 ✓
5/28/09	OCF-NW		✓		8189848	1 ✓
5/29/09	SG		✓		8189847	1 ✓
5/29/09	OCF-VI		✓		8189846	1 ✓
5/29/09	OCF-NW		✓		8189845	1 ✓
5/29/09	(CONTROL)		✓		8189857	1 ✓
Relinquished (Signature)		Date/Time	Received by: (Signature)		Lab	Shipped via: FedEx, UPS or Other _____ Air Bill # _____
<i>[Signature]</i>		6-1-09 2:41	<i>Marie Wolt</i>		<i>Spectra</i>	
Relinquished (Signature)		Date/Time	Received by: (Signature)		Remarks	
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
Split Samples: []Accepted []Declined _____ _____ Signature						



Weekly Site Inspection Report No. 2009-0426
Week of 4/26 - 5/2, 2009 Inspector Tim RUSHER
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates:				
North (electric)	(G)	F P	Y (N)	
South (electric)	(G)	F P	Y (N)	Took 4 Cms One Day To Open GATE.
Pond	(G)	F P	Y (N)	
Peninsula (Other)	(G)	F P	Y (N)	
	G F	P	Y N	
Signage:				
Gates	(G)	F P	Y (N)	
Perimeter	(G)	F P	Y (N)	
Safety (Other)	(G)	F P	Y (N)	
	G F	P	Y N	
Public Streets:				
Ruston Way	(G)	F P	Y (N)	
51 st & Gallagher	(G)	F P	Y (N)	
Stack Hill	(G)	F P	Y (N)	
(Other)	G F	P	Y N	DIRT ON STACKHILL STREETS FROM UNKNOWN VEHICLES DRIVING ONTO MUD DAY LOVS
BMPs:				
Berms	(G)	F P	Y (N)	
Waddles	(G)	F P	Y (N)	
Silt Fence	(G)	F P	Y (N)	
(Other)	G F	P	Y N	
Strom drains clean:				
Lower Site	(G)	F P	Y (N)	
Stack Hill	(G)	F P	Y (N)	
Stockpiles:				
Envirotac II	G (F)	P	(Y) N	
Plastic	(G)	F P	Y (N)	
Packed	G (F)	P	(Y) N	
Grass	(G)	F P	Y (N)	
Dust:				
Traffic areas	(G)	F P	Y (N)	
Excavation area	(G)	F P	Y (N)	
(Other)	G F	P	Y N	
Fencing:				
Site Perimeter	(G)	F P	Y (N)	
Zone Separation	(G)	F P	Y (N)	
(Other)	G F	P	Y N	

Weekly Site Inspection Report No. 2009-0426
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks:					
Barriers	(G)	F	P	Y	(N)
Signs (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N
Cameras:					
		(P)	(Y)		
	G	F	(P)	(Y)	N
	G	F	(P)	(Y)	N
	G	F	(P)	(Y)	N
Health & Safety Plans:					SPANISH TRANSLATION IN PROGRESS
Site Superintendent	(G)	F	P	Y	(N)
Construction Super.	(G)	F	P	Y	(N)
Other	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

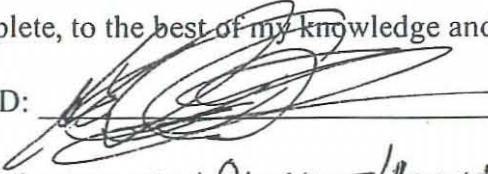
Misc. notes: Moved SCALE House H. JOL TO KETH'S TAILOR Now FIXED " S. GATE "

WEATHER:

Day of Week	Summary of Weather Conditions
Sunday 26	42°F (62°F SSW WINDS 1.5 mph / GUST 10 mph, NO PRECIPITATION)
Monday 27	43°F (62°F N NEW WINDS 1.3 mph / GUST 15 mph, NO PRECIPITATION)
Tuesday 28	45°F (55°F SSW WINDS 1.2 mph / GUST 9 mph, PRECIP MORNING (A. 107"')
Wednesday 29	45°F (58°F SSW WINDS 1.3 mph / GUST 12 mph, PRECIP AFTERNOON (A. 01"')
Thursday 30	43°F (65°F SSW WINDS 1.0 mph / GUST 7 mph, NO PRECIPITATION)
Friday 5/1	43°F (74°F NNE WINDS 1.8 mph / GUST 11 mph, NO PRECIPITATION)
Saturday 2	48°F (62°F SSW WINDS 3.6 mph / GUST 31 mph, PRECIP SCATTERED (A. 27")

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 5/4/09

SIGNED: 

Tim R.

Title/Qualification of Inspector: CONSTRUCTION Oversight / Hazardous Safety OFCR.



Weekly Site Inspection Report No. 2009-0503
 Week of 5/3 - 5/9, 2009 Inspector Tim RUSTON

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS	
Gates:					
North (electric)	(G)	F	P	Y	(N) ELECTRIC GATE SLATED TO BE MOVED TO 54TH STREET NEXT WEEK
South (electric)	(G)	F	P	Y	(N)
Pond	(G)	F	P	Y	(N)
Peninsula (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N
Signage:					
Gates	(G)	F	P	Y	(N)
Perimeter	(G)	F	P	Y	(N)
Safety (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N
Public Streets:					
Ruston Way	(G)	F	P	Y	(N)
51 st & Gallagher	(G)	F	P	Y	(N)
Stack Hill	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
BMPs:					
Berms	(G)	F	P	Y	(N)
Waddles	(G)	F	P	Y	(N)
Silt Fence (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N
Strom drains clean:					
Lower Site	(G)	F	P	Y	(N)
Stack Hill	(G)	F	P	Y	(N)
Stockpiles:					
Envirotac II	G	(F)	P	(Y)	(N)
Plastic	(G)	F	P	Y	N
Packed	G	(F)	P	(Y)	(N)
Grass	(G)	F	P	Y	(N)
Dust:					
Traffic areas	(G)	F	P	Y	(N)
Excavation area (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N
Fencing:					
Site Perimeter	(G)	F	P	Y	(N)
Zone Separation (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N

Weekly Site Inspection Report No. 2609-0503
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks:					
Barriers	(G)	F	P	Y	(N)
Signs (Other)	(G)	F	P	Y	(N)
	G	F	P	Y	N
Cameras:					
	G	F	(P)	(Y)	N
	G	F	(P)	(Y)	N
	G	F	(P)	(Y)	N
Health & Safety Plans:					
Site Superintendent	(G)	F	P	Y	(N)
Construction Super.	(G)	F	P	Y	(N)
Other	(G)	F	P	Y	(N)

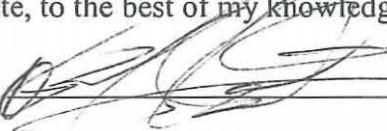
G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

WEATHER:

Day of Week	Summary of Weather Conditions
Sunday 5/3	45°F / 65°F SSW WINDS 1.5 mph / GUST 18 mph, PRECIP MORN 0.02"
Monday 4	46°F / 60°F NNE WINDS 0.4 mph / GUST 9 mph, PRECIP Afternoon/EVE 0.49"
Tuesday 5	49°F / 56°F SSW WINDS 0.9 mph / GUST 28 mph, PRECIP ALL DAY 0.49"
Wednesday 6	47°F / 54°F SSW WINDS 3.8 mph / GUST 24 mph, PRECIP ALL DAY 2.56"
Thursday 7	45°F / 58°F SSW WINDS 7.9 mph / GUST 26 mph, PRECIP MORN. EARLY 0.73"
Friday 8	42°F / 61°F NNE WINDS 1 mph / GUST 11 mph, NO PRECIPITATION
Saturday 9	43°F / 64°F NNE WINDS 1.1 mph / GUST 12 mph, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 5/11/09 SIGNED:  TMR.

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH & SAFETY OFCR.



Weekly Site Inspection Report No. 2009-0510

Week of 5/10 - 5/16, 2009 Inspector Tim RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: 54 th St. North (electric) South (electric) Pond Peninsula 51 st St. (Other)	(G)	F	P	Y	(N) NEW
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N OLD NORTH GATE (MANUAL)
Signage: Gates Perimeter Safety (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
Public Streets: Ruston Way 51 st & Gallagher Stack Hill (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
BMPs: Berms Waddles Silt Fence (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
Strom drains clean: Lower Site Stack Hill	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
					CLEANED THIS WEEK
Stockpiles: Envirotac II Plastic Packed Grass	(G)	F	P	(Y)	N
	(G)	F	P	Y	(N)
	(G)	F	P	(Y)	N
	(G)	F	P	Y	(N)
					NOTE! PREPARING TO DISTRIBUTE ALL STOCKPILE MATERIALS TO ESTABLISH SUB CAP GRADE.
Dust: Traffic areas Excavation area (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
Fencing: Site Perimeter Zone Separation (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N

Weekly Site Inspection Report No. 2009-0510
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks:					
Barriers	G	F	P	Y (N)	
Signs	G	F	P	Y (N)	
(Other)	G	F	P	Y N	
Cameras:					
	G	F	(P)	(Y) N	
	G	F	(P)	Y N	
	G	F	P	(Y) N	
Health & Safety Plans:					V.5 IN PROGRESS
Site Superintendent	G	F	P	Y (N)	
Construction Super.	G	F	P	Y (N)	
Other	G	F	P	Y N	

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes: 5/11/09 Ken Wilson ADVISED HE HAD TO FIND AN ALTERNATE TRANSLATOR TO FINISH THE TRANSLATION TO SPANISH.

WEATHER:

Day of Week	Summary of Weather Conditions
Sunday 10	43°F / 68°F SSW WINDS 1.1 mph / GUST 17 mph, PRECIP LATE EVE 0.11"
Monday 11	46°F / 64°F SSW WINDS 7.5 mph / GUST 31 mph, PRECIP MORN to EVE 1.18"
Tuesday 12	41°F / 54°F SSW WINDS 5.3 mph / GUST 25 mph, PRECIP MORN. / EVE 0.2"
Wednesday 13	43°F / 51°F SSW WINDS 1.1 mph / GUST 13 mph, PRECIP AFTERNOON to EVE 0.35"
Thursday 14	46°F / 55°F SSW WINDS 2.7 mph / GUST 17 mph, PRECIP ALL DAY 7.65"
Friday 15	44°F / 60°F NNE WINDS 1.1 mph / GUST 9 mph, PRECIP EARLY MORN. 0.03"
Saturday 16	45°F / 78°F NNE WINDS 0.4 mph / GUST 5 mph, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 5/18/09

SIGNED:

Th. R.

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH & SAFETY OFFICER



Weekly Site Inspection Report No. 2009-0517

Week of 5/17 - 5/23, 2009 Inspector Tim RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates:					
North (electric)	(G)	F	P	Y	(N)
South (electric)	(G)	F	P	Y	(N)
Pond	(G)	F	P	Y	(N)
Peninsula	(G)	F	P	Y	(N)
Electr. (Other) 54 th	(G)	F	P	Y	(N)
Signage:					
Gates	(G)	F	P	Y	(N)
Perimeter	G	(F)	P	(Y)	N
Safety	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
Public Streets:					
Ruston Way	(G)	F	P	Y	(N)
51 st & Gallagher	(G)	F	P	Y	(N)
Stack Hill	G	(F)	P	Y	(N)
(Other)	G	F	P	Y	N
DIRT ON STACK HILL STREET (lower cul-de-sac)					
WILL REQUIRE C.B. SOIL CLEANING SOON.					
BMPs:					
Berms	(G)	F	P	Y	(N)
Waddles	(G)	F	P	Y	(N)
Silt Fence	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
Strom drains clean:					
Lower Site	(G)	F	P	Y	(N)
Stack Hill	(G)	F	P	Y	(N)
MONITORING C. B. S. WEEKLY AFTER RAINS					
Stockpiles:					
Envirotac II	(G)	F	P	Y	(N)
Plastic	(G)	F	P	Y	(N)
Packed	(G)	F	P	Y	(N)
Grass	(G)	F	P	Y	(N)
PILES SEEM SECURE. INITIAL EROSION OCCURRED IN FALL, BUT STABILIZERS PLANS TO PLACE PILES SOON					
Dust:					
Traffic areas	(G)	F	P	Y	(N)
Excavation area	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
WATER SPRAY IN USE.					
Fencing:					
Site Perimeter	(G)	F	P	Y	(N)
Zone Separation	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
MAINTAINED DAILY AS NEEDED					

Weekly Site Inspection Report No. 2009-0517
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS	
Docks:					
Barriers	(G)	F	P	Y	N
Signs	(G)	F	P	Y	N
(Other)	G	F	P	Y	N
Cameras:					
	G	F	(P)	(Y)	N
	G	F	(P)	(Y)	N
	G	F	(P)	(Y)	N
Health & Safety Plans:					
Site Superintendent	(G)	F	P	(Y)	SPANISH VERSION PENDING
Construction Super.	(G)	F	P	(Y)	UPDATE PENDING
Other	(G)	F	P	(Y)	"

G=Good F=Fair P=Poor Y=Yes N=No

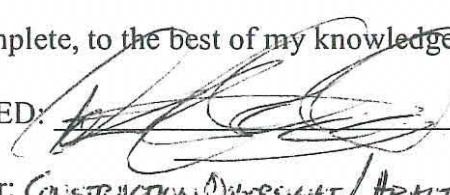
Misc. notes:

WEATHER:

Day of Week	Summary of Weather Conditions
Sunday 17	49°F / 78°F SSW WINDS 0.8 mph / GUST 9 mph, NO PRECIPITATION
Monday 18	48°F / 69°F SSW WINDS 3.9 mph / GUST 9 mph, PRECIP. EVE. 0.3"
Tuesday 19	47°F / 58°F SSW WINDS 6.7 mph / GUST 28 mph, PRECIP Early MORN. ^{over} P/EVE
Wednesday 20	46°F / 60°F SW WINDS 2.6 mph / GUST 12 mph, NO PRECIPITATION
Thursday 21	47°F / 67°F NNE WINDS 2.2 mph / GUST 13 mph, NO PRECIPITATION
Friday 22	46°F / 69°F NNE WINDS 8.9 mph / GUST 11 mph, NO PRECIPITATION
Saturday 23	47°F / 70°F SW WINDS 13 mph / GUST 10 mph, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 5/25/09

SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH & SAFETY CCR.



Weekly Site Inspection Report No. 2009-0521
 Week of 5/25 - 5/30, 2009 Inspector _____

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates:			
North (electric)	(G) F P	Y (N)	
South (electric)	(G) F P	Y (N)	
Pond	(G) F P	Y (N)	
Peninsula	(G) F P	Y (N)	
54th (Other) ELECT.	(G) F P	Y (N)	
Signage:			
Gates	(G) F P	Y (N)	Need More Signage @ 54th St (ordered)
Perimeter	(G) F P	Y (N)	
Safety	(G) F P	Y (N)	
(Other)	G F P	Y N	
Public Streets:			
Ruston Way	(G) F P	Y (N)	
51st & Gallagher	(G) F P	Y (N)	
Stack Hill	(G) F P	Y (N)	
(Other)	G F P	Y N	
BMPs:			
Berms	(G) F P	Y (N)	
Waddles	(G) F P	Y (N)	
Silt Fence	(G) F P	Y (N)	
(Other)	G F P	Y N	
Strom drains clean:			
Lower Site	(G) F P	Y (N)	
Stack Hill	(G) F P	Y (N)	
Stockpiles:			
Envirotac II	(G) F P	Y (N)	
Plastic	(G) F P	Y (N)	
Packed	(G) F P	Y (N)	
Grass	(G) F P	Y (N)	
Dust:			
Traffic areas	(G) F P	Y (N)	
Excavation area	(G) F P	Y (N)	
(Other)	G F P	Y N	
Fencing:			
Site Perimeter	(G) F P	Y (N)	
Zone Separation	(G) F P	Y (N)	
(Other)	G F P	Y N	

Weekly Site Inspection Report No. 2009-0524
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks:					
Barriers	G	F	P	Y	N
Signs	G	F	P	Y	N
(Other)	G	F	P	Y	N
Cameras:					
	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N
Health & Safety Plans:					
Site Superintendent	G	F	P	Y	SPANISH VERSION PENDING,
Construction Super.	G	F	P	Y	UPDATE PENDING
Other	G	F	P	Y	"

G=Good F=Fair P=Poor Y=Yes N=No

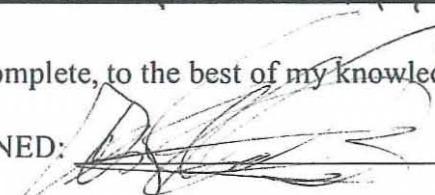
Misc. notes:

WEATHER:

Day of Week	Summary of Weather Conditions
Sunday 24	78° / 73° SSW WINDS 3.5 mph / GUST 13 mph, NO PRECIPITATION
Monday 25	78° / 73° SSW WINDS 28 mph / GUST 17 mph, NO PRECIPITATION
Tuesday 26	51° / 67° SSW WINDS 4.3 mph / GUST 19 mph, NO PRECIPITATION
Wednesday 27	41° / 60° NNE WINDS 1.4 mph / GUST 10 mph, NO PRECIPITATION
Thursday 28	47° / 71° NNE WINDS 0.9 mph / GUST 10 mph, NO PRECIPITATION
Friday 29	53° / 80° NNE WINDS 0.7 mph / GUST 8 mph, NO PRECIPITATION
Saturday 30	52° / 71° NNE WINDS 0.9 mph / GUST 10 mph, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 6/1/09

SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT /HEALTH + SAFETY O&P.

